

Reverse Transcription Solution (RTase)

Product Information

Cat#	ENZD-RT26
Description	This dedicated Reverse Transcription Solution contains highly active recombinant reverse transcriptase matched with optimized buffer, dNTP mixture and magnesium ion additives to support efficient first-strand cDNA synthesis from total RNA or viral RNA templates. The enzyme maintains stable catalytic activity under varied input RNA concentrations, generating full-length cDNA fragments without severe template degradation. It works as an independent core reagent for two-step RT-PCR, gene expression analysis and preparatory nucleic acid amplification workflows in molecular research and routine testing.
Application	This product can be applied for efficient synthesis of first-strand cDNA from purified viral or total RNA templates in molecular experiments.
Benefits	Supports efficient reverse transcription over a wide temperature range of 37–60°C, delivers high-purity performance free of nuclease contamination and residual bacterial DNA, efficiently adapts to GC-rich and highly structured RNA templates, enables long-range RNA PCR amplification up to 10 kb, and provides glycerin-free formulations for lyophilized qPCR applications.
Size	100 µL, 1000 µL